BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

E-MB

Name of Work: Improvements of RCC drain & Covering slab Dasarahalli Metro station to Bylappa Circle Right side road in Dasarahalli Ward No 15

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Pre-Measurement								
1	KSRRB M200-Dismtling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonary, cement concrete, wood work,steel work, including T&P and scaffolding whereever necessary, sorting the dismanlet material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specification Lime/Cement concrete I. By Manual Means C. Prestressed /Reinforced cement concrete Grade M-20 & above (P-139, lt 18.19) PWD SR 2018-19								
	side wall								
	bylappa circle to 6th cross	Cum	2	2*30	0.15	1.00	18.00		
			2	31.00	0.15	1.00	9.30		
	6th to 5th cross		2	9.52	0.15	1.00	2.86		
	5th to 4th cross		2	23.50	0.15	1.00	7.05		
			2	27.00	0.15	1.00	8.10		
	4th to 3rd cross		2	27.60	0.15	1.00	8.28		
	3rd to 2nd cross		2	26.30	0.15	1.00	7.89		
	2nd to 1st cross		2	26.50	0.15	1.00	7.95		
	1st to maheshramamma temple		2	42.30	0.15	1.00	12.69		
	temple to dasarahalli metro		2	3*30	0.15	1.00	27.00		
			2	29.30	0.15	1.00	8.79		
	maheshwari nagar 1st c/s eastern		2	4*30	0.15	1.00	36.00		
			2	5.70	0.15	1.00	1.71		
	maheshwari nagar 1st c/s Weastern		2	2*30	0.15	1.00	18.00		
			2	5.70	0.15	1.00	1.71		
	culvert @ 6th cross		2	6.30	0.30	1.00	3.78		
	lengthy culvert		2	21.00	0.30	1.00	12.60		
	bottom								
	bylappa circle to 6th cross	Cum	1	2*30.00	1.10	0.15	9.90		
			1	31.00	1.10	0.15	5.12		
	6th to 5th cross		1	9.52	1.10	0.15	1.57		
	5th to 4th cross		1	23.50	1.10	0.15	3.88		
			1	27.00	1.10	0.15	4.46		
	4th to 3rd cross		1	27.60	1.10	0.15	4.55		
	3rd to 2nd cross		1	26.30	1.10	0.15	4.34		
	2nd to 1st cross		1	26.50	1.10	0.15	4.37		
	1st to maheshramamma temple		1	42.30	1.10	0.15	6.98		
	temple to dasarahalli metro		1	3*30.00	1.10	0.15	14.85		
			1	29.30	1.10	0.15	4.83		
	maheshwari nagar 1st c/s eastern		1	4*30.00	1.00	0.15	18.00		
			1	5.70	1.00	0.15	0.86		

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	maheshwari nagar 1st c/s Weastern		1	2*30	1.00	0.15	9.00		
			1	5.70	1.00	0.15	0.86		
	culvert @ 6th cross		1	6.30	1.60	0.15	1.51		
	lengthy culvert		1	21.00	1.60	0.15	5.04		
							291.82		
	Pre-Measurement			Qty Limited to			265.44	1684.34	447091.00
2	KSRRB 300 · Excavation for road, drains and similar works · KSRRB 300-1. Earthwork excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.6/I.2.4 PW, P & IWTD -SR 2018-19)								
	bylappa circle to 6th cross	Cum	1	2*30.00	1.20	1.20	86.40		
			1	31.00	1.20	1.20	44.64		
	6th to 5th cross		1	9.52	1.20	1.20	13.71		
	5th to 4th cross		1	23.50	1.20	1.20	33.84		
			1	27.00	1.20	1.20	38.88		
	4th to 3rd cross		1	27.60	1.20	1.20	39.74		
	3rd to 2nd cross		1	26.30	1.20	1.20	37.87		
	2nd to 1st cross		1	26.50	1.20	1.20	38.16		
	1st to maheshramamma temple		1	42.30	1.20	1.20	60.91		
	temple to dasarahalli metro		1	3*30.00	1.20	1.20	129.60		
			1	29.30	1.20	1.20	42.19		
	maheshwari nagar 1st c/s eastern		1	4*30.00	1.20	1.20	172.80		
			1	5.70	1.20	1.20	8.21		
	maheshwari nagar 1st c/s Weastern		1	2*30	1.20	1.20	86.40		
			1	5.70	1.20	1.20	8.21		
	culvert @ 6th cross		1	6.30	1.60	1.20	12.10		
	lengthy culvert		1	21.00	1.60	1.20	40.32		
							893.98	189.74	169624.00
	Pre-Measurement								
3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 2100 (P.222/I.27.18) PWD · SR 2018-19)								
	bylappa circle to 6th cross	Cum	1	2*30.00	1.20	0.15	10.80		
			1	31.00	1.20	0.15	5.58		
	6th to 5th cross		1	9.52	1.20	0.15	1.71		
	5th to 4th cross		1	23.50	1.20	0.15	4.23		
			1	27.00	1.20	0.15	4.86		
	4th to 3rd cross		1	27.60	1.20	0.15	4.97		
	3rd to 2nd cross		1	26.30	1.20	0.15	4.73		
	2nd to 1st cross		1	26.50	1.20	0.15	4.77		
	1st to maheshramamma temple		1	42.30	1.20	0.15	7.61		
	temple to dasarahalli metro		1	3*30.00	1.20	0.15	16.20		
			1	29.30	1.20	0.15	5.27		
	maheshwari nagar 1st c/s eastern side		1	4*30.00	1.20	0.15	21.60		
			1	5.70	1.20	0.15	1.03		

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	maheshwari nagar 1st c/s Weastern side		1	2*30	1.20	0.15	10.80		
			1	5.70	1.20	0.15	1.03		
	culvert @ 6th cross		1	6.30	1.60	0.15	1.51		
	lengthy culvert		1	21.00	1.60	0.15	5.04		
	Pre-Measurement						111.75	5421.90	605884.00
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200.(PWD SR 2018-19 P.no-271, It No 37.59.20)								
	raft concrete								
	bylappa circle to 6th cross	Cum	1	2*30.00	0.90	0.15	8.10		
			1	31.00	0.90	0.15	4.19		
	6th to 5th cross		1	9.52	0.90	0.15	1.29		
	5th to 4th cross		1	23.50	0.90	0.15	3.17		
			1	27.00	0.90	0.15	3.65		
	4th to 3rd cross		1	27.60	0.90	0.15	3.73		
	3rd to 2nd cross		1	26.30	0.90	0.15	3.55		
	2nd to 1st cross		1	26.50	0.90	0.15	3.58		
	1st to maheshramamma temple		1	42.30	0.90	0.15	5.71		
	temple to dasarahalli metro		1	3*30.00	0.90	0.15	12.15		
			1	29.30	0.90	0.15	3.96		
	maheshwari nagar 1st c/s eastern		1	4*30.00	0.90	0.15	16.20		
			1	5.70	0.90	0.15	0.77		
	maheshwari nagar 1st c/s Weastern		1	2*30	0.90	0.15	8.10		
			1	5.70	0.90	0.15	0.77		
	culvert @ 6th cross		1	6.30	1.20	0.15	1.51		
	lengthy culvert		1	21.00	1.20	0.15	5.04		
	side wall								
	bylappa circle to 6th cross		2	2*30	0.15	0.90	16.20		
			2	31.00	0.15	0.90	8.37		
	6th to 5th cross		2	9.52	0.15	0.90	2.57		
	5th to 4th cross		2	23.50	0.15	0.90	6.35		
			2	27.00	0.15	0.90	7.29		
	4th to 3rd cross		2	27.60	0.15	0.90	7.45		
	3rd to 2nd cross		2	26.30	0.15	0.90	7.10		
	2nd to 1st cross		2	26.50	0.15	0.90	7.16		
	1st to maheshramamma temple		2	42.30	0.15	0.90	11.42		
	temple to dasarahalli metro		2	3*30	0.15	0.90	24.30		
			2	29.30	0.15	0.90	7.91		
	maheshwari nagar 1st c/s eastern		2	4*30	0.15	0.90	32.40		
			2	5.70	0.15	0.90	1.54		
	maheshwari nagar 1st c/s Weastern		2	2*30	0.15	0.90	16.20		
			2	5.70	0.15	0.90	1.54		
	culvert @ 6th cross		2	6.30	0.30	1.00	3.78		
	lengthy culvert		2	21.00	0.30	1.00	12.60		
	building side concrete								

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	bylappa circle to 6th cross		1	2*30.00	0.40	0.15	3.60		
			1	31.00	0.40	0.15	1.86		
	6th to 5th cross		1	9.52	0.40	0.15	0.57		
	5th to 4th cross		1	23.50	0.40	0.15	1.41		
			1	27.00	0.40	0.15	1.62		
	4th to 3rd cross		1	27.60	0.40	0.15	1.66		
	3rd to 2nd cross		1	26.30	0.40	0.15	1.58		
	2nd to 1st cross		1	26.50	0.40	0.15	1.59		
	1st to maheshramamma temple		1	42.30	0.40	0.15	2.54		
	temple to dasarahalli metro		1	3*30.00	0.40	0.15	5.40		
			1	29.30	0.40	0.15	1.76		
	maheshwari nagar 1st c/s eastern		1	4*30.00	0.40	0.15	7.20		
			1	5.70	0.40	0.15	0.34		
	maheshwari nagar 1st c/s Weastern		1	2*30.00	0.40	0.15	3.60		
			1	5.70	0.40	0.15	0.34		
	ramp for culvert								
	culvert @ 6th cross		2	6.30	0.75	0.15	1.42		
	lengthy culvert		2	21.00	0.75	0.15	4.73		
							300.83	7070.20	2126927.00
	Detailed-Measurement								
5	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.								
	bylappa circle to 6th cross	Cum	1	2*30.00	0.90		54.00		
			1	31.00	0.90		27.90		
	6th to 5th cross		1	9.52	0.90		8.57		
	5th to 4th cross		1	23.50	0.90		21.15		
			1	27.00	0.90		24.30		
	4th to 3rd cross		1	27.60	0.90		24.84		
	3rd to 2nd cross		1	26.30	0.90		23.67		
	2nd to 1st cross		1	26.50	0.90		23.85		
	1st to maheshramamma temple		1	42.30	0.90		38.07		
	temple to dasarahalli metro		1	3*30.00	0.90		81.00		
			1	29.30	0.90		26.37		
	maheshwari nagar 1st c/s eastern		1	4*30.00	0.90		108.00		
			1	5.70	0.90		5.13		
	maheshwari nagar 1st c/s Weastern		1	2*30	0.90		54.00		
			1	5.70	0.90		5.13		
	Dead end Side Over Existing Drain		1	30.00	0.90		27.00		
							552.98	2208.00	1220975.00
	Pre-Measurement								
6	KSRRB M2200-6. Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 [P. no.229 - I. no.28.8.2] PWD - SR 2018-19								
		Tonne							
	Description of work	***Dia***	***Length***	***Nos***	***8mm***	***10mm***			
	For RCC Drain								

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.90+0.90+0.90=2.70)									
ppa circle to 6th cross									
steel	10mm	2.70	910						
Dist steel	8mm	91.00	27	2457.00	2457.00				
6th to 5th cross									
Main steel	10mm	2.70	95						
Dist steel	8mm	9.52	27	257.04	256.50				
5th to 4th cross									
Main steel	10mm	2.70	505						
Dist steel	8mm	50.50	27	1363.50	1363.50				
4th to 3rd cross									
Main steel	10mm	2.70	276						
Dist steel	8mm	27.60	27	745.20	745.20				
3rd to 2nd cross									
Main steel	10mm	2.70	263						
Dist steel	8mm	26.30	27	710.10	710.10				8/11/20
2nd to 1st cross									
Main steel	10mm	2.70	265						
Dist steel	8mm	26.50	27	715.50	715.50				
1st to maheshramamma temple									
Main steel	10mm	2.70	423						
Dist steel	8mm	42.30	27	1142.10	1142.10				
temple to dasarahalli metro									
Main steel	10mm	2.70	1193						
Dist steel	8mm	119.30	27	3221.10	3221.10				9/11/20
maheshwari nagar 1st c/s eastern									
Main steel	10mm	2.70	1257						
Dist steel	8mm	125.70	27	3393.90	3393.90				
maheshwari nagar 1st c/s eastern									
Main steel	10mm	2.70	1257						
Dist steel	8mm	125.70	27	3393.90	3393.90				
			Mtr	*17399.34*	*17398.80*				
	8mm	*17399.34*	*0.39*	*Kgs*	*6785.74*				
	10mm	*17398.80*	*0.62*	*Kgs*	*10787.26*				
				Kgs	*17573.00*				
				M.T	*17.57*				
Description of work	*Dia*	*Length*	*Nos*	*10mm*	*12mm*				

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	culvert mat								
	culvert @ 6th cross								
	Main steel	12mm	6.30	15					
	Dist steel	10mm	1.50	63	94.50	94.50			
	lengthy culvert								
	Main steel	12mm	21.00	15					
	Dist steel	10mm	1.50	210	315.00	315.00			
	culvert wall								
	culvert @ 6th cross								
	Main steel	12mm	4*2	63		504.00			
	Dist steel	10mm	6.30	20	126.00				
	lengthy culvert wall								
	Main steel	12mm	4*2	210		1680.00			
	Dist steel	10mm	21.00	20	420.00				
				Mtr	***546.00***	***2184.00***			
	10mm	***546.00***	***0.62***	***Kgs***	***338.52***				
	12mm	***2184.00***	***0.89***	***Kgs***	***1943.76***				
				Kgs	***2282.28***				
				Kgs	***19855.28***				
				M.T	***19.86***		19.86		
					Qty Limited to		19.80	72326.98	1432074.20
	Detailed-Measurement								
7	Providing and laying Pre cast drain cover slab of 250mm thickness including cost of all Materials Labour, curing, Transportation, Loading & un loading etc. as per direction of the Engineer Incharge								
	culvert @ 6th cross	sqm	1	6.30	1.50		9.45		
	lengthy culvert		1	21.00	1.50		31.50		
			4	3.60	1.50		21.60		
							62.55	5241.00	327825.00
8	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 136 Item No. 17.1 PWD SR 2018-19								
		Cum	Qty Vide Item No. 2				893.98	-	
			limited to				789.00	69.80	55072.00
							Sub Total		6385472.20
9	KRIDL Charge 4.5%								287346.00
10	GST charges 12%								766257.00
								Total	7439075.20

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2018-19
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward No 15

Assistant Executive Engineer
T. Dasarahalli Sub-Division

Executive Engineer
Dasarahalli Division

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